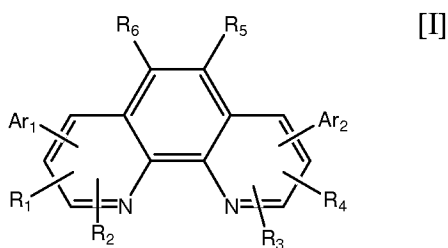


(b) Amendments to the Claims

Please cancel claims 1-3 and 16-19 without prejudice or disclaimer and add new claims 20-23 as follows. A detailed listing of the claims is provided which replaces all earlier versions.

1.-19. (Cancelled)

20. (New) A phenanthroline compound represented by the general formula [I]:

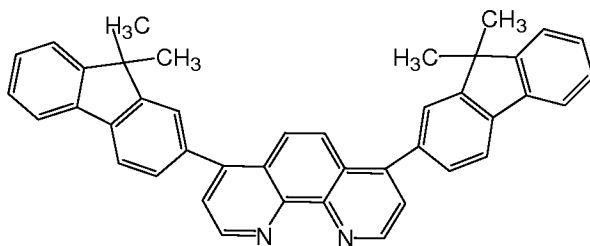


wherein  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_5$  and  $R_6$  are each a hydrogen atom and  $Ar_1$  and  $Ar_2$  are the same or different and each is a fluorenyl group represented by the general formula [IV]:

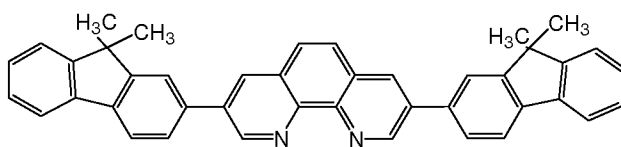


wherein  $R_{17}$  is a hydrogen atom and  $R_{18}$  and  $R_{19}$  are the same or different and each is selected from a hydrogen atom, a methyl group, an ethyl group, an n-propyl group, an iso-propyl group, an n-butyl group, a tert-butyl group and an octyl group:

21. (New) The phenanthroline compound according to claim 20, which is represented by the structural formula:



22. (New) The phenanthroline compound according to claim 20, which is represented by the structural formula:



23. (New) The phenanthroline compound according to claim 20, which is represented by the structural formula:

